Performance Data Sheet

HGA5512EXV

General Information

Model	HGA5512EXV	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	6610			
	Watts (Power)				
	Amps	2.81			
	Lb/h	90.5			
-23.3	Btu/h	6790	7230		
	Watts (Power)				
	Amps	2.83	2.67		
	Lb/h	92.9	98.9		
-20	Btu/h	7180	7170		
	Watts (Power)				
	Amps	2.86	2.76		
	Lb/h	98.3	98.1		
-15	Btu/h	7870	7330	7650	
	Watts (Power)	197	278	370	
	Amps	2.91	2.90	3.32	
	Lb/h	108	100	105	
-10	Btu/h	8720	7840	7590	8060
	Watts (Power)	495	589	693	825
	Amps	2.93	3.02	3.51	4.07
	Lb/h	119	107	104	110
-6.7	Btu/h	9380	8380	7860	7900
	Watts (Power)	611	715	828	968
	Amps	2.93	3.08	3.63	4.22
	Lb/h	128	115	108	108
-5	Btu/h	9760	8730	8100	7960
	Watts (Power)	650	760	877	1020
	Amps	2.92	3.11	3.68	4.30
	Lb/h	134	120	111	109
0	Btu/h	11000	10000	9190	8630
	Watts (Power)	700	828	962	1120
	Amps	2.88	3.16	3.82	4.50
	Lb/h	151	137	126	118

5	Btu/h	12500	11800	10900	10100
	Watts (Power)	683	831	984	1160
	Amps	2.78	3.17	3.91	4.65
	Lb/h	172	161	150	139
7.2	Btu/h	13300	12700	11900	11000
	Watts (Power)	664	821	984	1170
	Amps	2.71	3.15	3.93	4.70
	Lb/h	182	174	163	151
10	Btu/h	14300	14000	13300	12400
	Watts (Power)	636	807	982	1180
	Amps	2.61	3.11	3.94	4.75
	Lb/h	197	191	182	170
15	Btu/h	16500	16700	16400	15700
	Watts (Power)	598	794	993	1220
	Amps	2.37	2.98	3.90	4.78
	Lb/h	226	229	224	214

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.405159E+04	1.619702E+02	7.813779E+00	1.925049E+02
C2	-6.847027E+01	-1.062771E+01	-9.910891E-02	-9.377586E-01
C3	-8.251707E+01	2.574098E+01	-3.804478E-01	-1.131359E+00
C4	-5.936592E+00	-1.496457E+00	-1.221358E-03	-8.143320E-02
C5	1.831725E+01	4.544785E-01	3.398061E-03	2.509357E-01
C6	-1.106238E+00	-3.580018E-01	8.972783E-03	-1.513539E-02
C7	4.457563E-02	5.037625E-02	-1.489341E-05	6.137548E-04
C8	3.694209E-01	5.019033E-03	5.544627E-06	5.061497E-03
C9	-2.265699E-01	-1.063087E-03	-1.924540E-05	-3.103936E-03
C10	1.625690E-02	3.263633E-03	-5.922586E-05	2.225813E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature